

Title (en)

METHODS, SYSTEMS AND DEVICES FOR CLINICAL DATA REPORTING AND SURGICAL NAVIGATION

Title (de)

VERFAHREN, SYSTEME UND VORRICHTUNGEN ZUR BERICHTERSTATTUNG ÜBER KLINISCHE DATEN UND FÜR CHIRURGISCHE NAVIGATION

Title (fr)

PROCÉDÉS, SYSTÈMES ET DISPOSITIFS DE RAPPORT DE DONNÉES CLINIQUES ET DE NAVIGATION CHIRURGICALE

Publication

EP 2651295 A2 20131023 (EN)

Application

EP 11849589 A 20111212

Priority

- US 201161499272 P 20110621
- US 42228310 P 20101213
- US 201161444265 P 20110218
- US 201161454601 P 20110321
- US 201161453236 P 20110316
- US 201161451548 P 20110310
- US 2011064404 W 20111212

Abstract (en)

[origin: WO2012082615A2] Three components are proposed, each having at its core a system for producing measurements of the relative motion of anatomical structures of mammals (the "measurement system"). The measurement system in this case would be comprised of an apparatus for imaging the joint of through a prescribed motion, and a process and mechanism for deriving quantitative measurement output data from the resulting images. The components of the present invention include: (1) a software device for reporting measurement output of the measurement system and for allowing users to interact with the measurement output data; (2) an apparatus and method for utilizing measurement output of the measurement system for therapeutic and surgical applications such as surgical navigation and patient positioning during a therapeutic procedure; and (3) an apparatus providing input image data for the measurement system that assists with the imaging of joints connecting anatomical regions that are in motion during operation.

IPC 8 full level

A61B 5/103 (2006.01); **A61B 17/56** (2006.01)

CPC (source: EP US)

A61B 5/1079 (2013.01 - US); **A61B 5/1121** (2013.01 - EP US); **A61B 5/1128** (2013.01 - EP US); **A61B 5/4566** (2013.01 - EP US); **A61B 5/7275** (2013.01 - EP US); **A61B 5/7278** (2013.01 - US); **A61B 5/746** (2013.01 - EP US); **A61B 34/10** (2016.02 - EP US); **A61B 34/20** (2016.02 - US); **G06T 7/0014** (2013.01 - US); **G06T 7/11** (2016.12 - US); **G16H 30/20** (2017.12 - EP US); **H04N 7/18** (2013.01 - US); **H04N 7/183** (2013.01 - US); **A61B 5/06** (2013.01 - US); **A61B 5/107** (2013.01 - US); **A61B 5/1071** (2013.01 - EP US); **A61B 5/1075** (2013.01 - US); **A61B 5/4528** (2013.01 - EP US); **A61B 5/743** (2013.01 - EP US); **A61B 5/7435** (2013.01 - EP US); **A61B 5/744** (2013.01 - EP US); **A61B 6/032** (2013.01 - US); **A61B 6/487** (2013.01 - EP US); **A61B 6/505** (2013.01 - US); **A61B 90/36** (2016.02 - US); **A61B 2034/105** (2016.02 - EP US); **A61B 2034/107** (2016.02 - US); **A61B 2034/2046** (2016.02 - US); **A61F 2/44** (2013.01 - US); **G06T 2207/10004** (2013.01 - US); **G06T 2207/30012** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012082615 A2 20120621; **WO 2012082615 A3 20130404**; AU 2011344107 A1 20130627; AU 2016250490 A1 20161117; CA 2821110 A1 20120621; EP 2651295 A2 20131023; EP 2651295 A4 20151118; EP 3150113 A1 20170405; EP 3649937 A1 20200513; US 2013307955 A1 20131121; US 2016028998 A1 20160128; US 2017132789 A1 20170511; US 2018122075 A1 20180503; US 2019156482 A1 20190523; US 9491415 B2 20161108

DOCDB simple family (application)

US 2011064404 W 20111212; AU 2011344107 A 20111212; AU 2016250490 A 20161028; CA 2821110 A 20111212; EP 11849589 A 20111212; EP 16169781 A 20111212; EP 19198019 A 20111212; US 201113882022 A 20111212; US 201514874813 A 20151005; US 201615295402 A 20161017; US 201715729409 A 20171010; US 201916250629 A 20190117